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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	432	(moloney\$.in. or rooijen\$.in.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 09:15
L2	54	1 and (oil bodies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:52
L4	93	(heterologous polypeptide) and (oil bodies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:54
L5	7	4 and @py<"2001"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:58
L6	788	(oil body) and (expres\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 10:59
L7	196	6 and @py<"2001"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 11:00
L8	7	7 and (fusion polypeptide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/09/24 11:02



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"oil body" AND "fusion"

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- ☐ 1. **OIL BODY PROTEINS AS CARRIERS OF HIGH VALUE PROTEINS**
MOLONEY, Maurice (UNIVERSITY TECHNOLOGIES INTERNATIONAL, INC.),
PATENT COOPERATION TREATY APPLICATION, Jul 1996
patno:WO9621029
...targeting of the recombinant **fusion** polypeptide to an **oil body**; (ii) a DNA sequence
encoding...representation of the types of **oil body** protein **fusions** that are contemplated
as...of the invention for the **fusion** of **oil-body** protein genes with genes...
Full text available at patent office. For more in-depth searching go to LexisNexis
[view all 107 results from Patent Offices](#)
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- ☐ 2. **Role of the proline knot motif in oleosin endoplasmic reticulum topology and oil body targeting.**
Abell, B M / Holbrook, L A / Abenes, M / Murphy, D J / Hills, M J / Moloney, M M ,
The Plant cell, 9 (8), p.1481-1493, Aug 1997
...oleosin-beta-glucuronidase translational **fusion**, the proline knot variant failed to
target...expressing oleosin-beta-glucuronidase **fusions** showed that the proline knot
variant accumulated...determination of topology but is required for **oil body** targeting.
The loss of the proline knot...
MEDLINE/PubMed Citation on **PubMed**
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- ☐ 3. **OIL-BODY PROTEINS AS CARRIERS OF HIGH-VALUE PEPTIDES IN PLANTS**
MOLONEY, Maurice M. (UNIVERSITY TECHNOLOGIES INTERNATIONAL, INC. ;
MOLONEY, Maurice, M.), *PATENT COOPERATION TREATY APPLICATION*, Oct 1993
patno:WO9321320
...oil-bodies so that the **fusion** protein is released. The **oil-body** protein is then
easily...constructs used for the **fusion** of **-oil-body** protein genes with genes...sequence
as a linker in the **fusion** of a typical **oil-body** protein gene and a **fusion**...
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- ☐ 4. Oil-body proteins as carriers of high-value peptides in plants
Moloney, Maurice (SemBioSys Genetics Inc.), UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Jul 1997
 patno:US5650554
 ...targeting of the recombinant **fusion** polypeptide to an **oil body**, linked in reading frame...targeting of the recombinant **fusion** polypeptide to an **oil body**, linked in reading frame...targeting of the recombinant **fusion** polypeptide to an **oil body**; (ii) a DNA sequence...
Full text available at patent office. For more in-depth searching go to  LexisNexis
[view all 107 results from Patent Offices](#)
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- ☐ 5. OIL BODY PROTEINS AS CARRIERS OF HIGH VALUE PROTEINS
MOLONEY, Maurice (SemBioSys Genetics Inc.), EUROPEAN PATENT, Oct 1998
 patno:EP871749
 ...targeting of the recombinant **fusion** polypeptide to an **oil body**, linked in reading frame...representation of the types of **oil body** protein **fusions** that are contemplated as...of the invention for the **fusion** of **oil-body** protein genes with genes...
Full text available at patent office. For more in-depth searching go to  LexisNexis
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- ☐ 6. Structural requirements of oleosin domains for subcellular targeting to the oil body.
van Rooijen, G J / Moloney, M M, *Plant physiology*, 109 (4), p.1353-1361, Dec 1995
 ...complete Arabidopsis oleosin-GUS **fusions** undergo correct subcellular...in impaired targeting of the **fusion** protein to the oil bodies and...reduced accumulation of the **fusion** protein. Northern blotting...important for targeting to the **oil body** and show that there is a direct...

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- ☐ 7. Oil body based personal care products
Deckers, Harm M. / van Rooijen, Gijs / Boothe, Joseph / Goll, Janis / Moloney, Maurice M. (Sembiosys Genetics Inc.), UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Feb 2001
 patno:US6183762
 ...be any cell that contains oil bodies (or **oil-body** like structures) including plant cells...the ground seeds; and (c) separating the **oil body** phase from the aqueous phase; (2) washing the **oil body** phase to yield a washed **oil body** preparation...
Full text available at patent office. For more in-depth searching go to  LexisNexis
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- ☐ 8. Expression pattern and deposition of three storage proteins, 11S globulin, 2S albumin and 7S globulin in maturing...
Tai, S.S.K. / Lee, T.T.T. / Tsai, C.C.Y. / Yiu, T.-J. / Tzen, J.T.C., *Plant Physiology and Biochemistry*, 39 (11), p.981-992, Nov 2001
 ...protein bodies later than the initiation of **oil body** formation in accord with the observation...bodies. 11S globulin 2S albumin 7S globulin **oil body** protein body seed sesame 1 Introduction...germination and post-germinative growth. An **oil body** contains a triacylglycerol matrix surrounded...
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- ☐ 9. OIL-BODY PROTEINS AS CARRIERS OF HIGH-VALUE PEPTIDES IN PLANTS
MOLONEY, Maurice M. (SemBioSys Genetics Inc.), EUROPEAN PATENT, Feb 1995

patno:EP636179

...provide for targeting of the **fusion** polypeptide to an **oil body** and (b) a second DNA sequence...constructs used for the **fusion** of **oil-body** protein genes with genes...sequence as a linker in the **fusion** of a typical **oil-body** protein gene and a **fusion**...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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☐ **10. Preparation of heterologous proteins on oil bodies**

Moloney, Maurice M. (Sembiosys Genetics Inc.), UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Sep 1999
patno:US5948682

...sequence encoding a **fusion** peptide or protein...sufficient portion of an **oil body** specific protein...of interest. The **fusion** peptide or protein...sequence linking the **oil body** specific portion...sequence encoding a **fusion** protein comprising...sufficient portion of an **oil body** protein to provide...

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☐ **11. THE USE OF PLANT OIL-BODIES IN VACCINE DELIVERY SYSTEMS**

MOLONEY, Maurice M. / ALCANTARA, Joenel (SEMBIOSYS GENETICS INC. ; SCHRYVERS, Anthony, B. ; HUTCHINS, Wendy, A.), PATENT COOPERATION TREATY APPLICATION, Dec 2001
patno:WO01095934


...immune response appropriately. The plant **oil-body** system provides a simple and inexpensive...oleosin. The general structure of a plant **oil-body** is illustrated in Figure 1. Oleosin and...accommodation of foreign sequences within **fusion** proteins without disturbing the three...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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☐ **12. OIL BODIES AND ASSOCIATED PROTEINS AS AFFINITY MATRICES**

MOLONEY, Maurice / BOOTHE, Joseph / VAN ROOIJEN, Gijs (SEMBIOSYS GENETICS INC.), PATENT COOPERATION TREATY APPLICATION, Jun 1998
patno:WO9827115

...conjugated or produced as a **fusion** protein with the **oil body** protein (as described...of the oleosin- hirudin **fusion** protein on the **oil body** and the binding of thrombin...s in-m etallothione in **fusion** protein on the **oil body** and binding of cadmium...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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☐ **13. OIL BODIES AND ASSOCIATED PROTEINS AS AFFINITY MATRICES**

MOLONEY, Maurice / BOOTHE, Joseph / VAN ROOIJEN, Gijs (SemBioSys Genetics Inc.), EUROPEAN PATENT, Jun 2000
patno:EP1007554


...conjugated or produced as a **fusion** protein with the **oil body** protein (as described...of the oleosin-hirudin **fusion** protein on the **oil body** and the binding of thrombin...oleosin-metallothionein **fusion** protein on the **oil body** and binding of cadmium...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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☐ **14. METHOD FOR CLEAVAGE OF FUSION PROTEINS**

MOLONEY, Maurice / ALCANTARA, Joenel / VAN ROOIJEN, Gijs (SemBioSys Genetics Inc.), EUROPEAN PATENT, Feb 2000
patno:EP977873

...expressing the recombinant polypeptide as a **fusion** protein with a pro-peptide. The pro-peptide-polypeptide **fusion** protein can be cleaved and the recombinant...the production of these polypeptides as **fusion** or hybrid proteins. These techniques are...

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- ☐ **15. From farming for food to pharming for pharmaceuticals and other high value proteins in crucifers.**

Rooijen, G. J. H. v., Kühnel, B., Kumar, V., Liu, J. H., Mahmoud, S. and Moloney, M. M., article, Jan 1998

A novel strategy was developed for the production and purification of foreign proteins and peptides in oilseeds. The strategy involves the fusion of the protein/peptide of interest to oleosin by extending the nucleotide sequence of oleosins to include ...

[<http://hdl.handle.net/1880/1451>]

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- ☐ **16. 173 Manipulating flux through plant metabolic pathways Anthony J...** [PDF-248K]
Jun 2000

173 Manipulating flux through plant metabolic pathways Anthony J Kinney The past two years have seen a marked increase in patent applications for novel methods of altering the level and spectrum of commercially important products in plants.

[http://www.ufv.br/dbv/pgfvg/BVE684/htms/pdfs_revisao/m...]

[more hits from](#) [<http://www.ufv.br>]

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- ☐ **17. Intracellular lipid particles of eukaryotic cells**

Zweytick, D. / Athenstaedt, K. / Daum, G. , Biochimica et Biophysica Acta (BBA)/Reviews on Biomembranes, 1469 (2), p.101-120, Sep 2000

...the different species. Lipid particle **Oil body** Triacylglycerol Steryl ester Perilipin...distinct structures without indication of **fusion**. They consist of a core of triacylglycerols...lipid bodies and thereby prevents their **fusion**. The involvement of vimentin in lipid...

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- ☐ **18. Production of biologically active hirudin in plant seeds using oleosin partitioning.**

Parmenter, D L / Boothe, J G / van Rooijen, G J / Yeung, E C / Moloney, M M , Plant molecular biology, 29 (6), p.1167-1180, Dec 1995

...of the oleosin-hirudin **fusion** mRNA was directed via...oleosin promoter. The **fusion** protein was correctly targeted to the **oil body** membrane and separated...was detected in cleaved **oil body** preparations. This activity...dependence. The oleosin **fusion** protein system provides...

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- ☐ **19. OIL-BODY PROTEIN CIS-ELEMENTS AS REGULATORY SIGNALS**

MOLONEY, Maurice M. (UNIVERSITY TECHNOLOGIES INTERNATIONAL, INC. ; MOLONEY, Maurice, M.), PATENT COOPERATION TREATY APPLICATION, Oct 1993
patno:WO9320216

...Ssion prothh, as a **fusion** protein with the **oil body** protein. The INNA...in frame with the **oil body** protein coding sequenoq...gene will produce a **fusion** protein. The **fusion**


protein will preferably...in the Arabidopsis **oil body** protein as shown...

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☐ **20. OIL-BODY PROTEIN CIS-ELEMENTS AS REGULATORY SIGNALS**

MOLONEY, Maurice M. (SemBioSys Genetics Inc.), EUROPEAN PATENT, Jan 1995
patno:EP633940

...sequence of interest as a **fusion** protein, particularly as a **fusion** protein with the **oil body** protein. The DNA sequence...sequence, in frame with the **oil body** protein coding sequence...chimeric gene will produce a **fusion** protein. The **fusion** protein...

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"oil body" AND "fusion"

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[Plant seed oil-bodies as carriers for foreign proteins - all 5 versions »](#)

GJH Van Rooijen, MM Moloney - Bio/Technology(new title: Nature Biotechnology?), 1995 - nature.com

... **Oil-body** proteins as carriers for high value peptides in plants. ... glucuronidase from Escherichia coli as a gene **fusion** marker. Proc. Natl. Acad. Sci. ...

Cited by 60 - [Related Articles](#) - [Web Search](#)

[Role of the Proline Knot Motif in Oleosin Endoplasmic Reticulum Topology and Oil Body Targeting - all 5 versions »](#)

BM Abell, LA Holbrook, M Abenes, DJ Murphy, MJ ... - The Plant Cell Online, 1997 - Am Soc Plant Biol

... targeting have used oleosin- P-glucuronidase (GUS) translational **fusion** reporters to ... could be deleted with less severe reductions in **oil body** accumulation and ...

Cited by 54 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Transient expression and oil body targeting of an Arabidopsis oleosin-GUS reporter fusion protein in ... - all 3 versions »](#)

M Abenes, L Holbrook, M Moloney - Plant Cell Reports, 1997 - Springer

... that the Arab- idopsis oleosin-GUS **fusion** protein can be expressed and targeted to oil bodies in at least five species of oilseeds. The **oil-body**-associated GUS ...

Cited by 11 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Structural Requirements of Oleosin Domains for Subcellular Targeting to the Oil Body - all 5 versions »](#)

GJH van Rooijen, MM Moloney - Plant Physiology, 1995 - Am Soc Plant Biol

... to the oil bodies and greatly reduced accumula- tion of the **fusion** protein. ... and central oleosin domain are important for targeting to the **oil body** and show ...

Cited by 27 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Oil-body proteins as carriers of high-value peptides in plants - all 6 versions »](#)

M Moloney - US Patent 5,650,554, 1997 - Google Patents

... The use of plants to 65 recombinant **fusion** polypeptide to an **oil body**, linked in produce proteins of interest allows exploitation of the ability ...

Cited by 14 - [Related Articles](#) - [Web Search](#)

[Oil bodies and their associated proteins, oleosin and caleosin - all 3 versions »](#)

GI Frandsen, J Mundy, JTC Tzen - Physiologia Plantarum, 2001 - Blackwell Synergy

... and Vance 1999). Caleosin is probably more directly involved in membrane and **oil body fusion** (Næsted et al. 2000). Seed oil bodies ...

Cited by 44 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

... **oleosin** in transgenic rapeseed. Implications for the mechanism of **oil-**

body formation in seeds - all 5 versions »

DJ Murphy - The Plant Journal, 1997 - ingentaconnect.com

... Implications for the mechanism of **oil-body** formation in seeds ... that each **oil body** contained a mixed population of soybean and rapeseed oleosins: ...

Cited by 34 - Related Articles - Web Search - BL Direct

Purification and characterization of oil-bodies (oleosomes) and oil-body boundary proteins (oleosins ... - all 7 versions »

M Millichip, AS Tatham, F Jackson, G Griffiths, PR ... - Biochem. J, 1996 - biochemj.org

... lose integrity and **fusion** occurs [22]. We have developed, therefore, a novel method for the preparation of largely uncontaminated **oil-body** fractions from the ...

Cited by 26 - Related Articles - Cached - Web Search - BL Direct

Oleosins prevent **oil-body** coalescence during seed imbibition as suggested by a low-temperature ... - all 2 versions »

O Leprince, AC van Aelst, HW Pritchard, DJ Murphy - Planta, 1997 - Springer

... hand, oil bodies underwent **fusion** and occupied the remaining cellular volume left by ice (Fig. 5e±f). About a four-fold increase in **oil-body** diameters was ...

Cited by 27 - Related Articles - Web Search - BL Direct

Oleosins and Oil Bodies in Seeds and Other Organs - all 5 versions »

AHC Huang - Plant Physiology, 1996 - Am Soc Plant Biol

... which parts of oleosin are used to target the protein to the ER or budding oil body. ...

Fusion of a GUS protein to the C terminus of the oleosin also allows the ...

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"oil body" AND "fusion"

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